



RISER DIAGRAM

STAGE III STEP H - SEE DWG #E-6

STAGE III, STEP H - TRANSFER LOADS TO BUS #1, 2 & EL

- BANK ELEVATORS -

- R-4 NORMAL FEEDER TO BUS #EL**
- a. - INSTALL R-4 CDT & WIRE FROM SWGR. BUS #1 TO BUS #EL VIA TRANSFER SWITCH (ENERGIZE)
- A-3 EMERG. FEEDER TO BUS #EL**
- a. - CUT EXIST. CDT. A-2 (2 CDT'S) & REMOVE BACK TO EXIST. SWGR.
 - b. - INSTALL CDT. A-3 FROM TRANSFER SWITCH TO ONE EXIST. A-2 CDT. & CONNECT.
 - c. - INSTALL FDR A-3 FROM TRANSFER SWITCH TO P.B. #1. (ENERGIZE)
 - d. - "Y" SPLICE TO EXIST. FDR A-3 IN P.B. #1. (ENERGIZE)
- C CONTROL FOR BANK ELEVATORS**
- a. - DISCONNECT EXIST. AND CONNECT CONTROL WIRING DESIGNATED 7A ON DWG #E-97
- R-13 BANK "D" ELEV.**
- a. - CUT EXIST. CDT. (R-13) & REMOVE BACK TO SWGR.
 - b. - DISCONNECT EXIST. FDR. (R-13) AT PNL #EL-A42 & REMOVE FROM EXIST. CDT.
 - c. - INSTALL CDT R-13 FROM BUS #EL TO EXIST. CDT. (R-13) & CONNECT.
 - d. - INSTALL FDR R-13 FROM BUS #EL TO PNL #EL-A42 & CONNECT (ENERGIZE)
- R-12 BANK "C" ELEV.**
- a. - CUT EXIST. CDT. (R-12) & REMOVE BACK TO SWGR.
 - b. - CUT EXIST. FDR. (R-12) IN EXIST. P.B. #11 & REMOVE FROM EXIST. CDT.
 - c. - INSTALL CDT R-12 FROM BUS #EL TO EXIST. CDT. (R-12) & CONNECT.
 - d. - INSTALL FDR R-12 FROM BUS #EL TO P.B. #11 & SPLICE TO LOAD SIDE. (ENERGIZE)

R-11 BANK "B" ELEV.

- a. - CUT EXIST. CDT. (R-11) & REMOVE BACK TO SWGR.
 - b. - CUT EXIST. FDR. (R-11) IN EXIST. P.B. #11 & REMOVE FROM EXIST. CDT.
 - c. - INSTALL CDT R-11 FROM BUS #EL TO EXIST. CDT. (R-11) & CONNECT.
 - d. - INSTALL FDR R-11 FROM BUS #EL TO P.B. #11 & SPLICE TO LOAD SIDE. (ENERGIZE)
- R-10 BANK "A" ELEV.**
- a. - CUT EXIST. CDT. (R-10) & REMOVE BACK TO SWGR.
 - b. - CUT EXIST. FDR. (R-10) IN EXIST. P.B. #11 & REMOVE FROM EXIST. CDT.
 - c. - INSTALL CDT R-10 FROM BUS #EL TO EXIST. CDT. (R-10) & CONNECT.
 - d. - INSTALL FDR R-10 FROM BUS #EL TO P.B. #11 & SPLICE TO LOAD SIDE. (ENERGIZE)
- R-4 DISCONNECT EXIST. ELEVATOR TRANSFER SWITCH (A-3)**
- a. - REMOVE FDR R-4 FROM EXIST. SWGR. TO TRANSF. SW.
 - b. - CUT EXIST. "Y" SPLICE, FDR A-3 IN P.B. #11, REMOVE TAP TO EXIST. TRANSF. SW & REMAKE SPLICE (ENERGIZE)
- C CONTROL FOR BANK ELEVATORS**
- a. - DISCONNECT & REMOVE CONTROL WIRING FROM EXIST. TERMINAL CABINET TO EXIST. TRANSFER SWITCH, DESIGNATED 7A ON DWG #E-97.
- R-5 MOTOR CONTROL CENTER MCC-S-41R**
- a. - INSTALL R-5 CDT & WIRE FROM SWGR. BUS #2 TO MCC-S-41R VIA P.B. #10
 - b. - DISCONNECT EXIST. & CONNECT FDR R-5 AT MCC-S-41R (ENERGIZE)
 - c. - REMOVE EXIST. FDR BACK TO SWGR.

R-BT EMERGENCY LIT.

- a. - CUT EXIST. CDT A-2 & REMOVE BACK TO EXIST. SWGR.
 - b. - INSTALL CDT R-BT FROM SWGR. BUS #2 TO CDT. (A-2) & CONNECT.
 - c. - INSTALL FDR R-BT FROM SWGR. BUS #2 TO P.B. #1.
 - d. - CUT EXIST. FDR R-BT IN P.B. #1 & REMOVE BACK TO EXIST. SWGR.
 - e. - SPLICE TO EXIST. FDR (R-BT) IN P.B. #1 (ENERGIZE)
- R-3 WATER SUPPLY PUMPS**
- a. - INSTALL P.B. #13 ADJACENT TO EXIST. P.B. #12
 - b. - INSTALL R-3 CDT & WIRE BETWEEN P.B. #13 & SWGR. BUS #2.
 - c. - CUT EXIST. FDR. (R-3) IN P.B. #12 & REMOVE BACK TO EXIST. SWGR.
 - d. - SPLICE TO EXIST. FDR (R-3) IN P.B. #12 (ENERGIZE)
- 1-6 PANEL DP-41S**
- a. - INSTALL 1-6 CDT. & WIRE FROM SWGR. BUS #1 TO PNL DP-41S.
 - b. - DISCONNECT TEMPORARY & CONNECT FDR. 1-6 AT PANEL (ENERGIZE)
 - c. - REMOVE TEMP. FDR BACK TO SWGR.
 - d. - INSTALL REMAINDER OF CDT'S IN PANEL DP-41S
- R-7 DINING FACILITY - 44th FLR.**
- a. - INSTALL R-7 CDT & WIRE BETWEEN P.B. #15 & SWGR. BUS #3.
 - b. - CUT EXIST. FDR. (R-7) IN P.B. #14 & REMOVE BACK TO EXIST. SWGR.
 - c. - SPLICE TO EXIST. FDR (R-7) IN P.B. #14 (ENERGIZE)

LOAD OUTAGES - SEE NOTE #5

- * = CATEGORY "A" OR "B"
 - * * = CATEGORY "C"
- R-8 DAI-ICI KANGYO BANK - 49th FLR.**
- a. - INSTALL R-8 CDT & WIRE BETWEEN CT CABINET & SWGR. BUS #1.
 - b. - CUT EXIST. FDR. (R-8) IN CT CABINET & REMOVE BACK TO EXIST. SWGR.
 - c. - SPLICE TO EXIST. FDR (R-8) IN CT CABINET (ENERGIZE)
- R-2b 480/277V. ELEC. CLOS. "S" 43rd TO 58th FLR'S**
- a. - INSTALL BUSWAY R-2b FROM SWGR. BUS #2 TO END CAP & "T" TO EXISTING BUSWAY R-2
 - b. - REMOVE EXIST. BUSWAY R-2 TO EXIST. SWGR.
 - c. - INSTALL BUSWAY TRANSITION BOX ON EXISTING BUSWAY & CONNECT BUSWAY R-2b. (ENERGIZE)
- R-2a 480/277V. ELEC. CLOS. "S" FUTURE RUN 43rd TO 50th FLR'S**
- a. - INSTALL BUSWAY R-2a FROM SWGR. TO CAP.
- R-1 208/120V. TRANSF. ELEC. CLOS. "S" 43rd TO 58th FLR'S**
- a. - SEE RISER DIAGRAM STAGE III STEP H. DWG #E-32

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/21/95 *Enham A. Adlam* SPEC. WRITER
DATE 8/15/95 *Peter L. Sweeney* ENGINEER OF DESIGN

NOTE

- FOR LEGEND SEE DWG. #E-1. FOR GENERAL NOTES AND ABBREVIATIONS SEE DWG. #E-2
- FOR NUMBER AND SIZE OF CONDUIT & WIRE SEE:
 - DWG. #E-27 - CONDUIT AND CABLE SCHEDULE
 - DWG. #E-97 - ATS CONNECTION DIAGRAM
- FDR A-3 WILL TEMPORARILY SUPPLY BOTH NEWLY INSTALLED & EXIST. BANK ELEV. TRANSFER SWITCHES VIA "Y" SPLICE.
- CONDUIT CABLE AND BUSWAY DESCRIBED IN SCHEDULE STAGE III STEP H) SHALL BE INSTALLED PRIOR TO ENERGIZING BUS #1, 2 & EL. FEEDERS THAT USE EXIST. FEEDER CONDUITS SHALL BE INSTALLED WITH SWITCHGEAR ENERGIZED.
- ALL ELECTRICAL OUTAGES SHALL BE PERFORMED OUTSIDE NORMAL BUILDING OPERATING HOURS. SEE SPECIFICATIONS DIVISION 1 ENTITLED "CONDITIONS AND PRECAUTIONS" FOR DESCRIPTION OF ELECTRICAL POWER OUTAGE CATEGORIES.